

Title (en)  
ANTENNA SYSTEM CALIBRATION

Title (de)  
ANTENNENSYSTEMKALIBRIERUNG

Title (fr)  
ÉTALONNAGE DE SYSTÈME D'ANTENNE

Publication  
**EP 2987202 A1 20160224 (EN)**

Application  
**EP 13715703 A 20130415**

Priority  
EP 2013057779 W 20130415

Abstract (en)  
[origin: WO2014169934A1] A method for antenna calibration is disclosed, the method comprising driving calibration signals for antenna array beam calibration to an antenna array feeder line in a transceiver front end unit by using one or more directional couplers and/or radio frequency probes, wherein calibration signal paths are integrated inside the transceiver front end unit. Measurements are carried out on the calibration signals, between different antenna combinations inside the antenna array. Based on collected measurement data, calibration information is calculated for each measurement branch of the antenna array by using a mathematical formula. Active antenna array beam calibration is then performed based on the calculated calibration information.

IPC 8 full level  
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CPC (source: EP US)  
**G01S 7/40** (2013.01 - US); **H01Q 3/267** (2013.01 - EP US); **H01Q 9/0457** (2013.01 - US); **H04B 17/21** (2015.01 - EP US); **G06F 17/10** (2013.01 - US); **H01P 5/18** (2013.01 - US); **H01Q 3/22** (2013.01 - US); **H04B 7/043** (2013.01 - US); **H04L 2027/0026** (2013.01 - US)

Citation (search report)  
See references of WO 2014169934A1

Cited by  
CN108957409A

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**WO 2014169934 A1 20141023**; EP 2987202 A1 20160224; EP 2987202 B1 20181017; US 10164334 B2 20181225; US 2017324161 A1 20171109

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**EP 2013057779 W 20130415**; EP 13715703 A 20130415; US 201314784409 A 20130415